Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of the claims.

Listing of Claims:

1. (Currently amended) A method comprising:

reading position error signals of a first head for non-consecutive revolutions to

obtain position error signal data; and

combining the position error signal data from one of the non-consecutive

revolutions with the position error signal data from another one of the non-

consecutive revolutions to obtain an estimate of repeatable runout for the first

head.

2. (Original) The method of claim 1, further comprising reading a position error

signal of another head for at least one additional revolution of the disc drive, wherein the

at least one additional revolution of the disc drive takes place between the non-

consecutive revolutions.

3. (Original) The method of claim 1, wherein the estimate of repeatable runout

for the first head is obtained by combining the position error signal data with additional

position error signal data for the first head.

4. (Original) The method of claim 1, wherein the position error signal data are

combined by averaging.

5. (Original) The method of claim 1, further comprising recording the estimate of repeatable runout for the first head for use in repeatable runout compensation.

6. (Original) The method of claim 5, wherein the estimate of repeatable runout for the first head is recorded on a disc surface.

7. (Original) The method of claim 5, wherein the estimate of repeatable runout for the first head is recorded in a memory.

8. (Withdrawn) A method comprising:

(a) concurrently writing test data to a track on a surface of a disc in the disc drive while reading a position error signal corresponding to the track to obtain a sample of read-position position error signal data;

(b) repositioning a head so as to make it possible to read the test data back from the track;

(c) concurrently reading the test data from the track while reading a position error signal corresponding to the track to obtain a sample of write-position position error signal data; and

iteratively executing (a), (b), and (c) until a sufficient number of samples of read-position position error signal data and write-position position error signal data have been obtained;

combining the samples of read-position position error signal data to obtain an estimate of repeatable runout for the track in a read position; and

combining the samples of write-position position error signal data to obtain an

estimate of repeatable runout for the track in a write position.

9. (Withdrawn) The method of claim 8, wherein samples of position error signal

data are combined by averaging.

10. (Withdrawn) The method of claim 8, further comprising recording the

estimates of repeatable runout for the track in the write position and in the read position

for subsequent use in repeatable runout compensation.

11. (Withdrawn) The method of claim 10, wherein the estimates of repeatable

runout for the track in the write position and in the read position are recorded on a disc

surface.

12. (Withdrawn) The method of claim 10, wherein the estimates of repeatable

runout for the track in the write position and in the read position are recorded in a

memory.

13. (Currently amended) An apparatus comprising:

a storage medium having at least one recording surface that includes position

 information;

a transducer associated with the one recording surface, wherein a position error

 signal is generatable when the position information is read by the transducer;

a moveable assembly upon which the transducer is mounted, wherein a range of

mobility of the moveable assembly allows the transducer to be positioned as

necessary to allow the transducer to follow a path on the recording surface;

and

control circuitry adapted to estimate repeatable runout by performing actions that

include:

reading position error signals of the transducer for non-consecutive

revolutions to obtain position error signal data; and

combining the position error signal data of two or more of the non-

consecutive revolutions to obtain an estimate of repeatable runout for the

transducer.

14. (Original) The apparatus of claim 13, wherein the control circuitry is adapted

to perform an additional action of reading a position error signal of another transducer for

at least one additional revolution of the storage medium, wherein the at least one

additional revolution of the storage medium takes place between the non-consecutive

revolutions of the storage medium.

15. (Original) The apparatus of claim 13, wherein the estimate of repeatable

runout for the transducer is obtained by combining the position error signal data

additional position error signal data for the transducer.

16. (Original) The apparatus of claim 13, wherein the position error signal data are combined by averaging.

17. (Original) The apparatus of claim 13, further comprising recording the estimate of repeatable runout for the transducer for use in repeatable runout compensation.

18. (Original) The apparatus of claim 17, wherein the estimate of repeatable runout for the transducer is recorded on at least one of the recording surfaces.

19. (Previously presented) The apparatus of claim 17, wherein the estimate of repeatable runout for the first transducer is recorded in a memory.

20. (Previously presented) The apparatus of claim 13, wherein the control circuitry includes a microprocessor.

21. (Currently amended) Control circuitry adapted to estimate repeatable runout by performing actions that include:

> reading position error signals for non-consecutive revolutions to obtain position
>> error signal data; and
> combining the position error signal data of two or more of the non-consecutive
>> revolutions to obtain an estimate of repeatable runout.